

FIG. 1

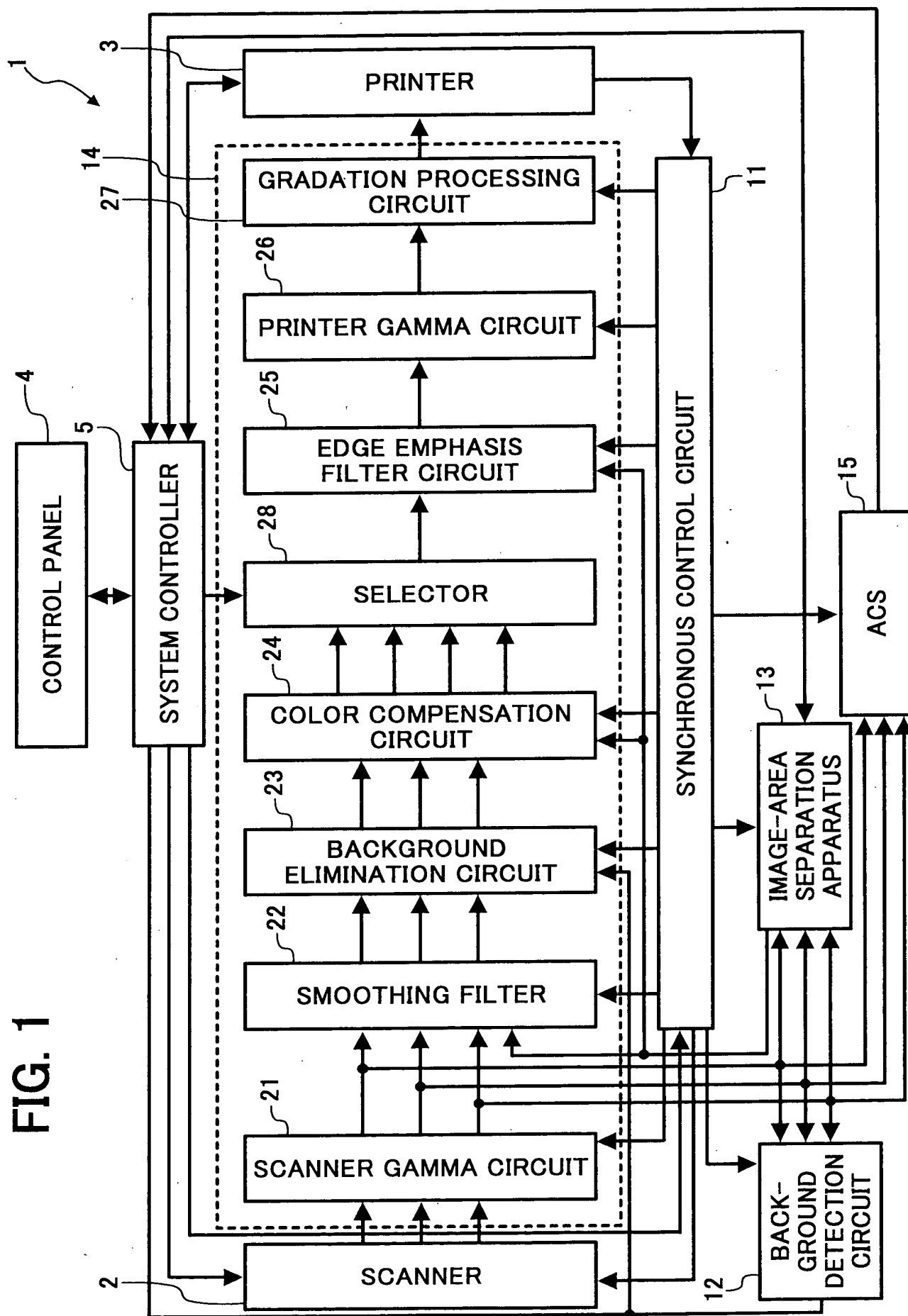


FIG. 2

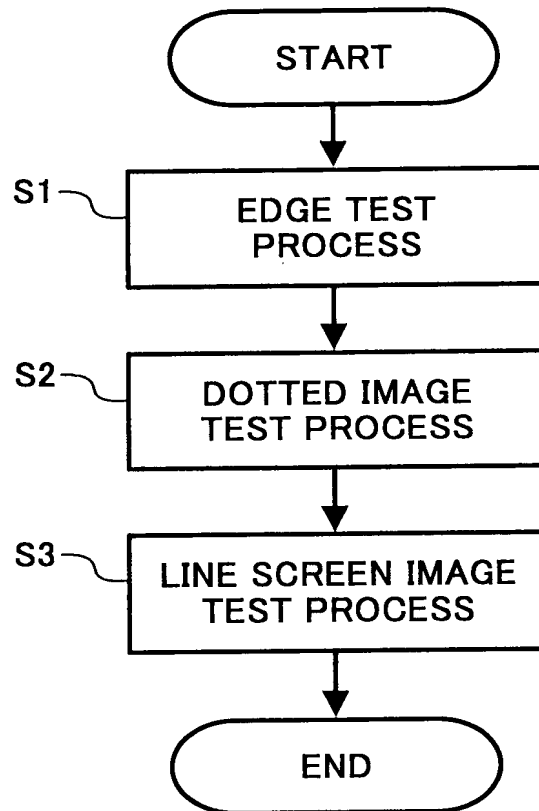


FIG. 3

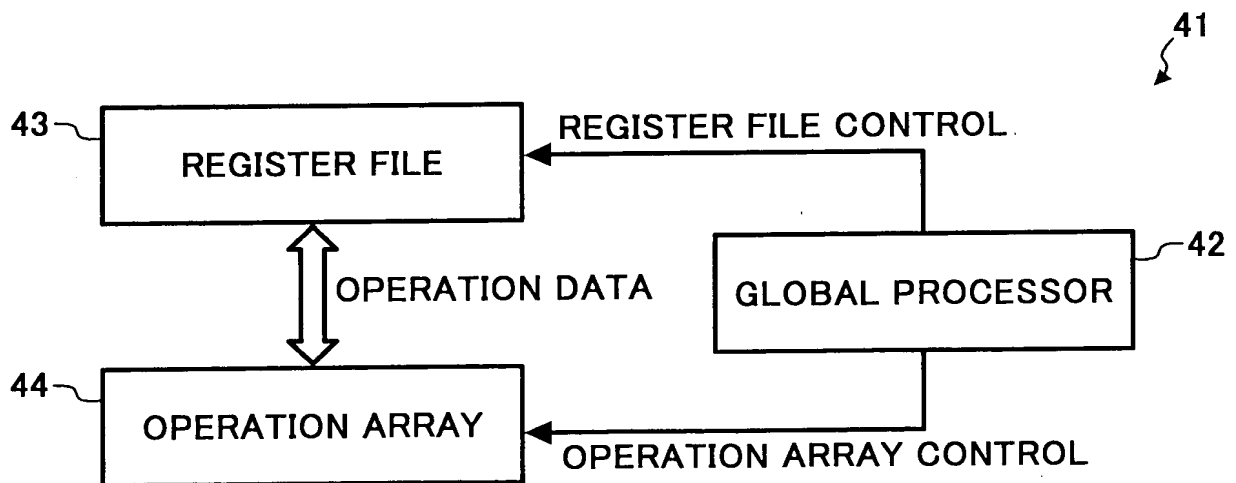


FIG. 4

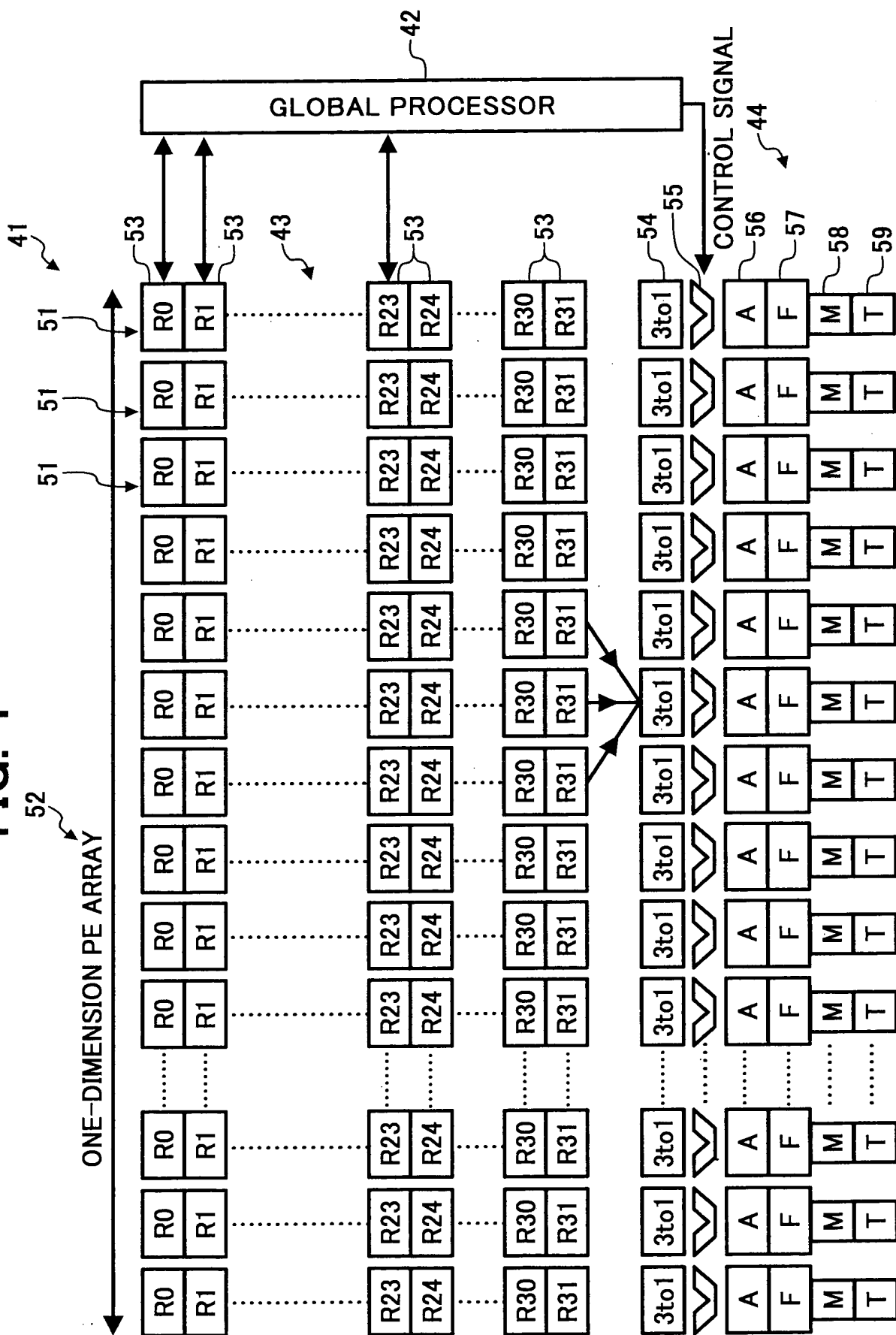


FIG. 5

f00	f01	f02
f10	f11	f12
f20	f21	f22

FIG. 6

f00	f01	f02	f03	f04
f10	f11	f12	f13	f14
f20	f21	f22	f23	f24
f30	f31	f32	f33	f34
f40	f41	f42	f43	f44

FIG. 7

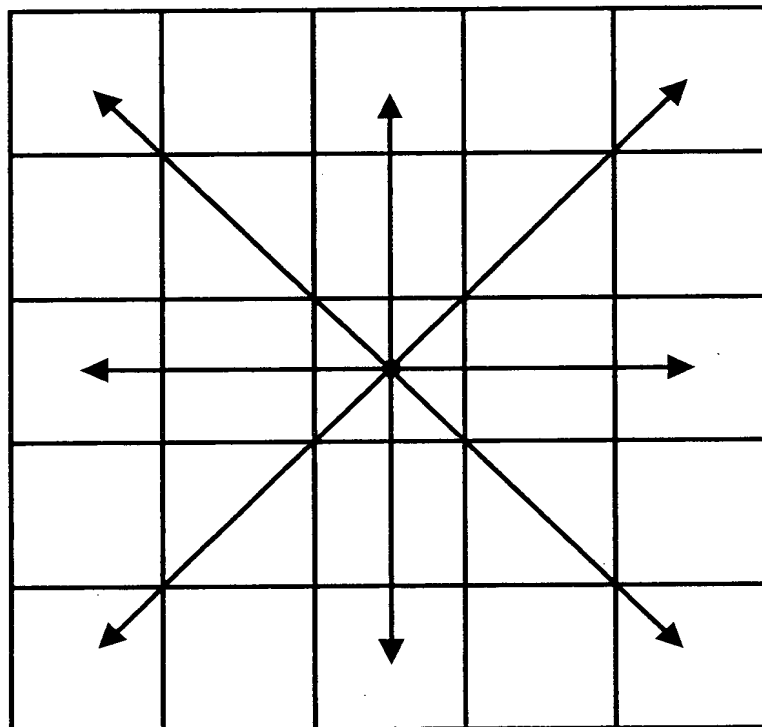


FIG. 8

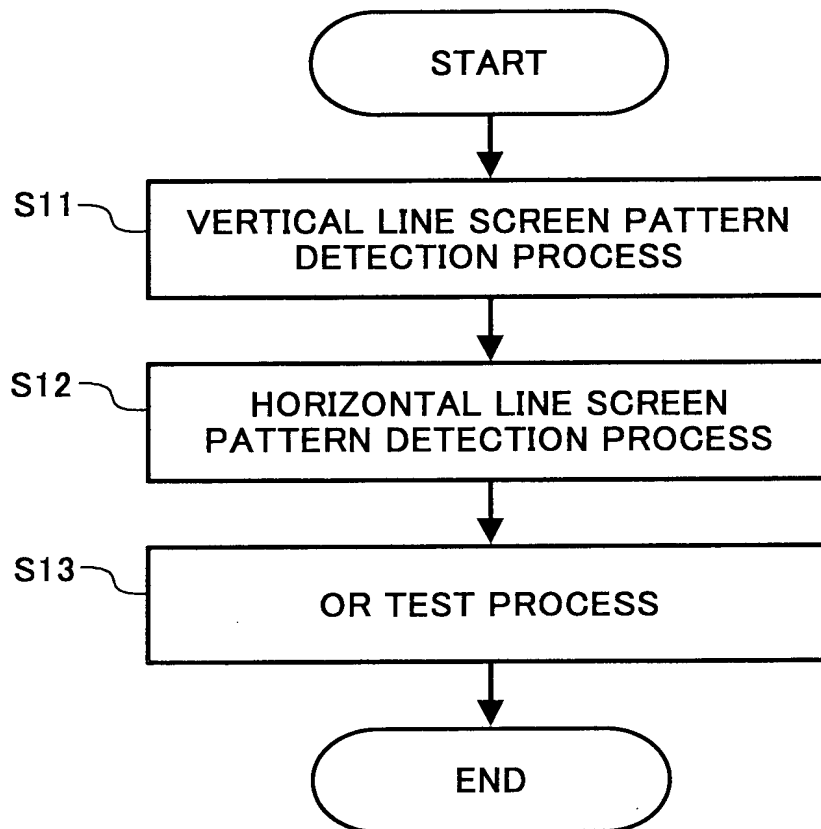


FIG. 9

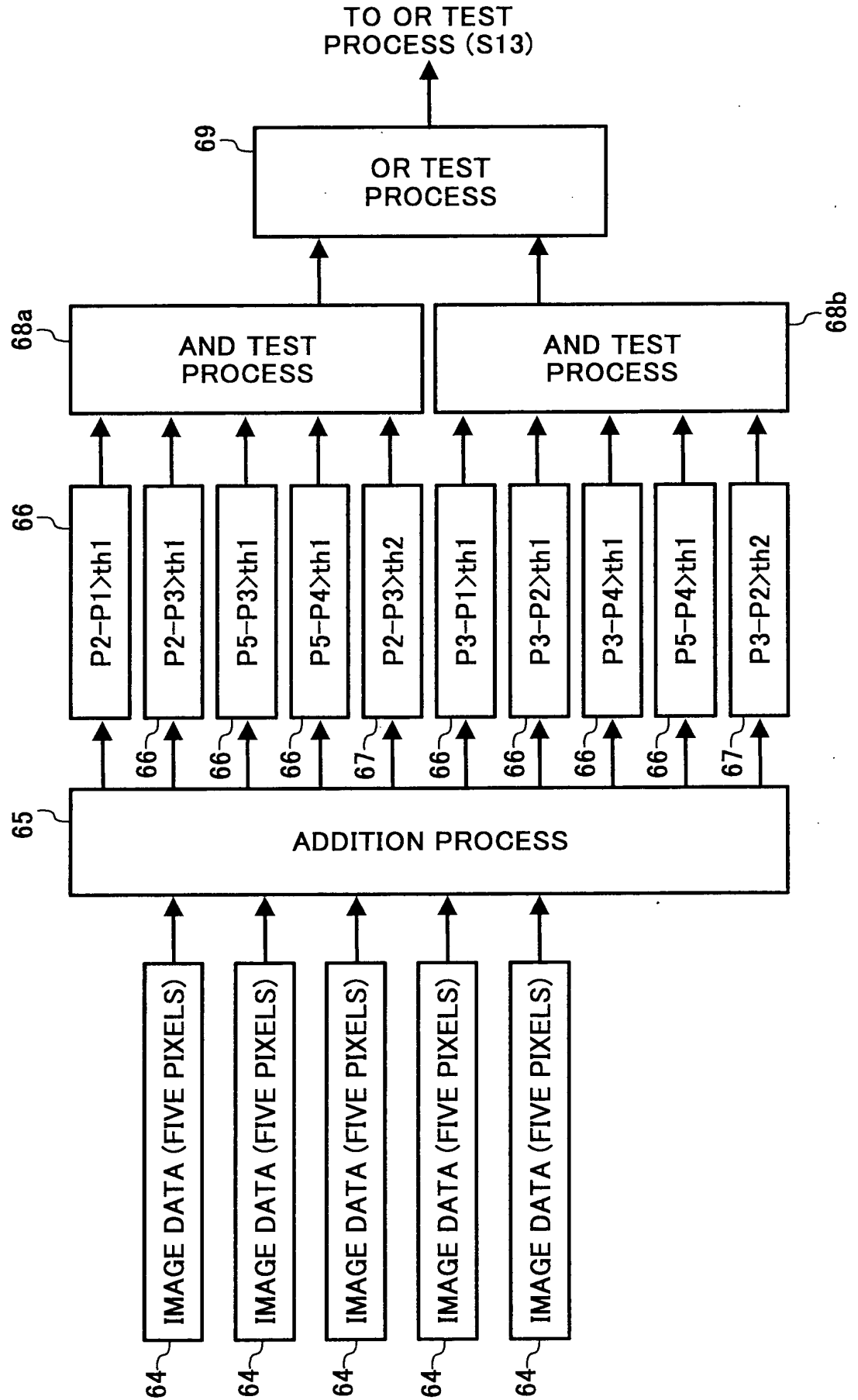


FIG. 10A

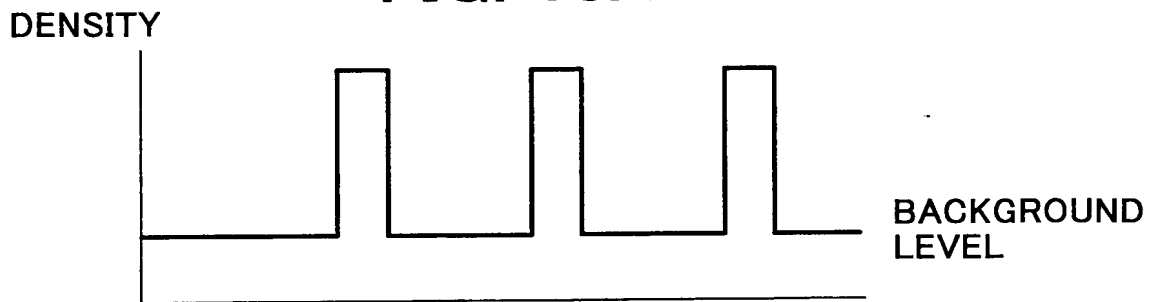


FIG. 10B

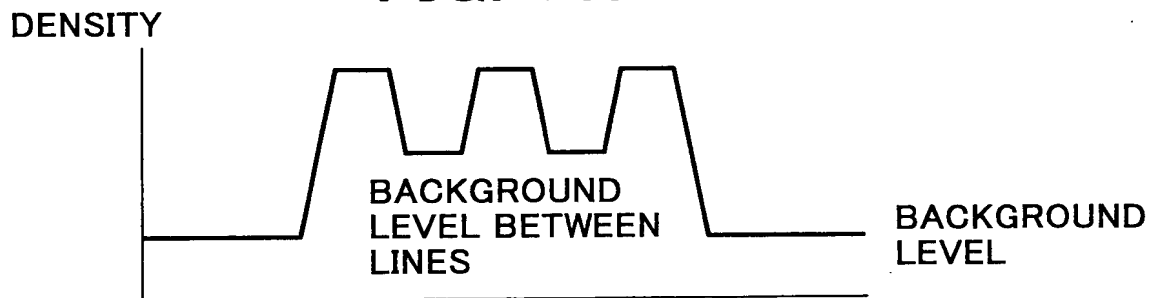


FIG. 10C

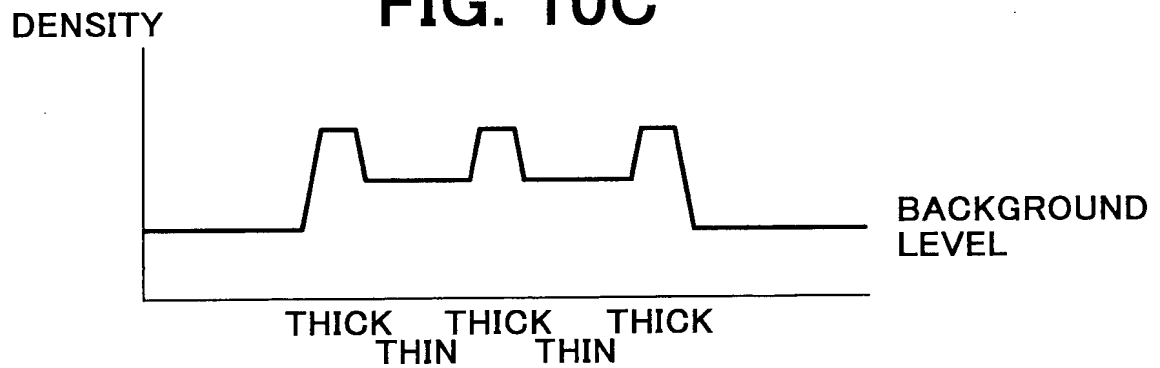


FIG. 10D

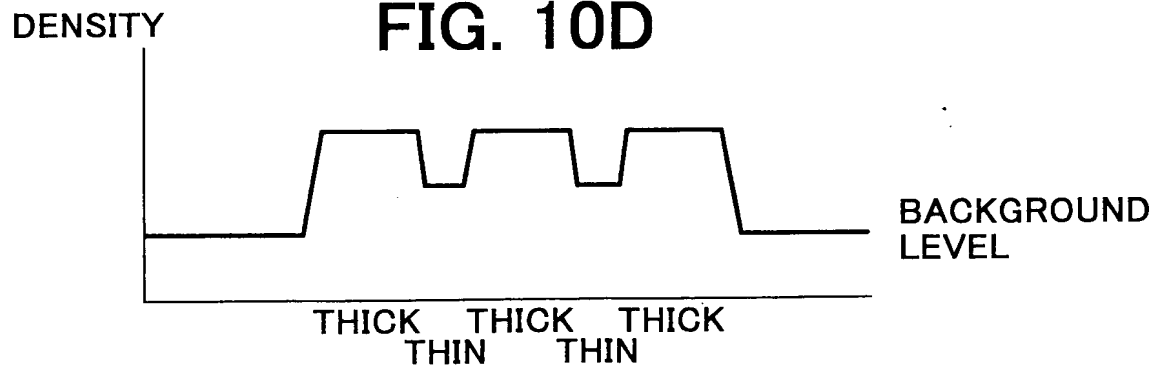


FIG. 11

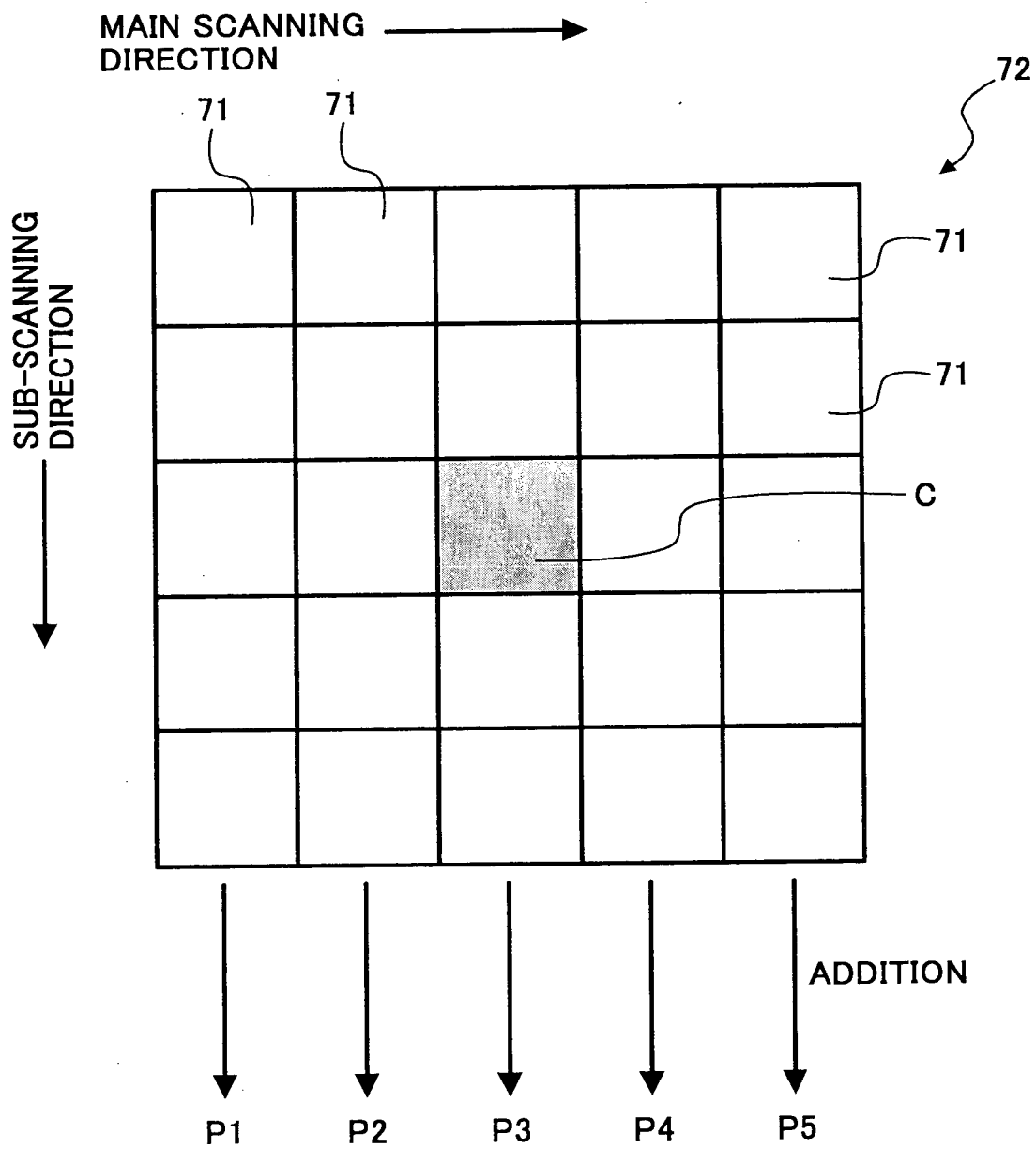


FIG. 12

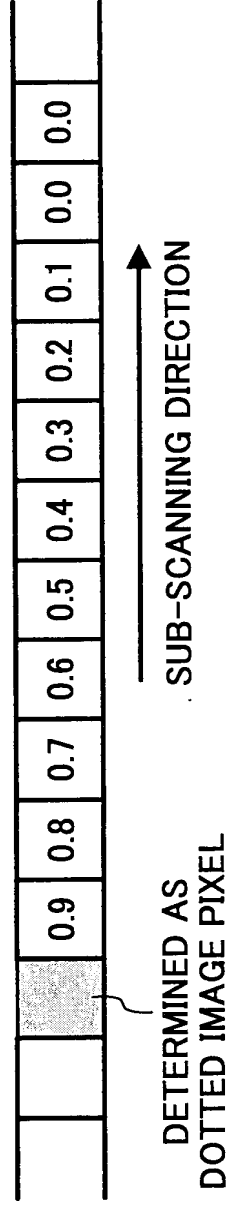


FIG. 13

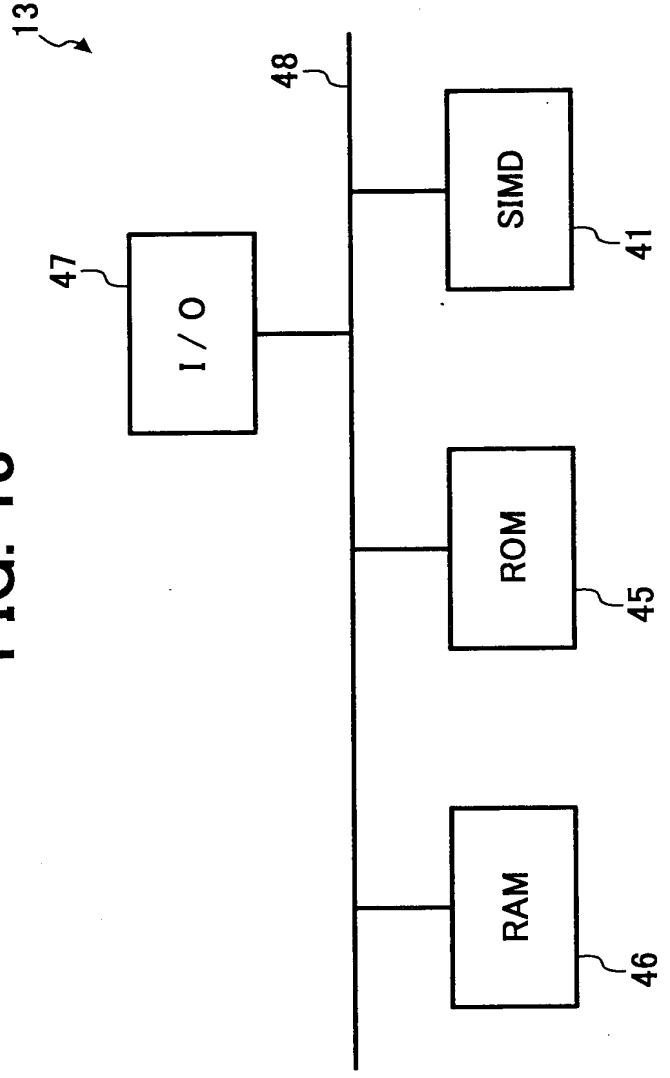


FIG. 14A

DOTTED IMAGE PIXEL

	px1	px2	px3	px4	px5	
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FIG. 14B

t1

	80	34	12	21	48	
--	----	----	----	----	----	--

FIG. 14C

DETERMINED AS DOTTED
IMAGE BY t1

	○	×	×	×	×	
--	---	---	---	---	---	--

FIG. 14D

w

		0.9	0.8	0.7	0.6	
--	--	-----	-----	-----	-----	--

FIG. 14E

$$t1_{new} = t1 * (1+w)$$

	80	65	23	35	78	
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FIG. 14F

DETERMINED AS DOTTED
IMAGE BY t1_n w

	○	×	×	×	○	
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FIG. 15A

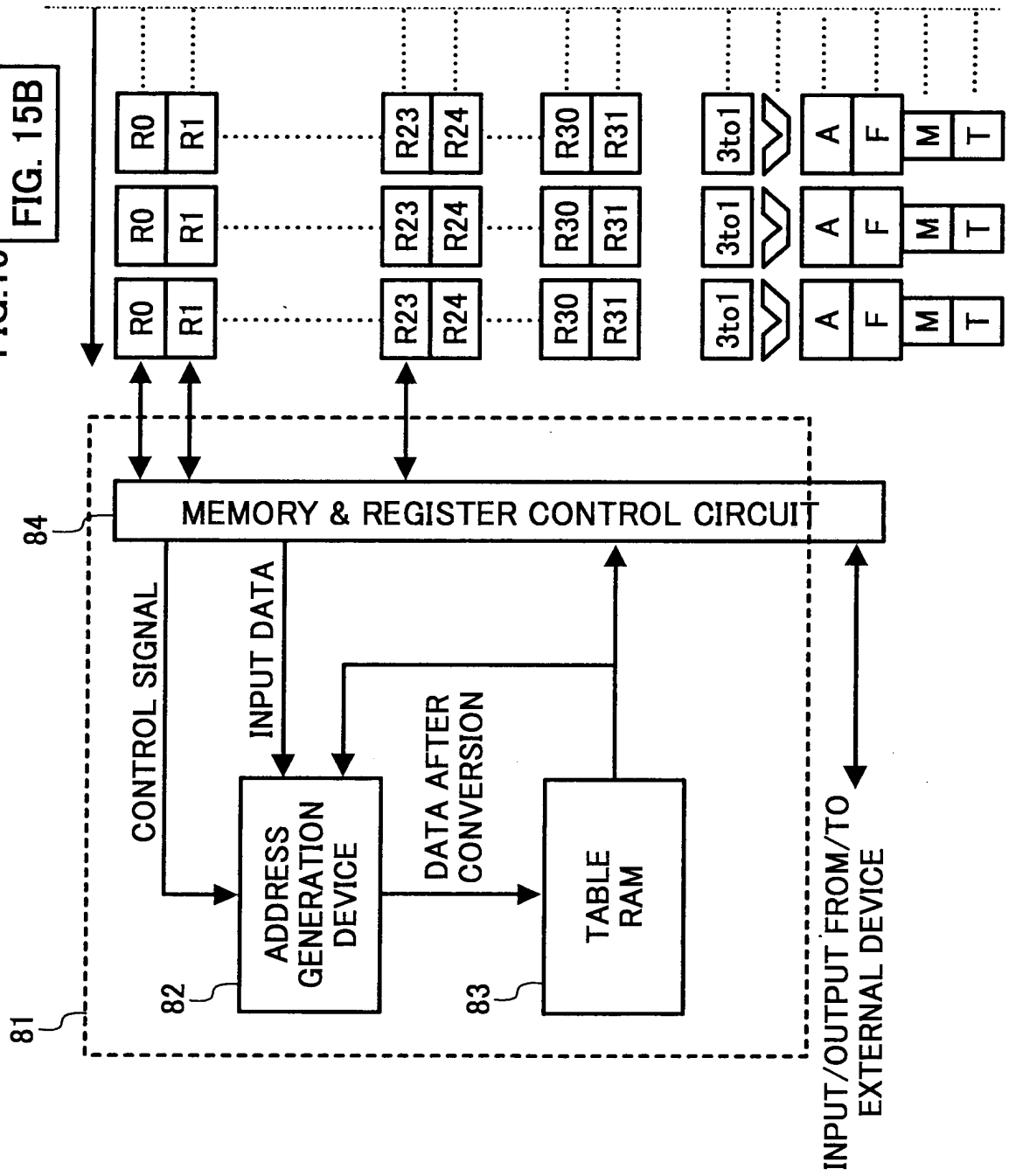


FIG. 15B

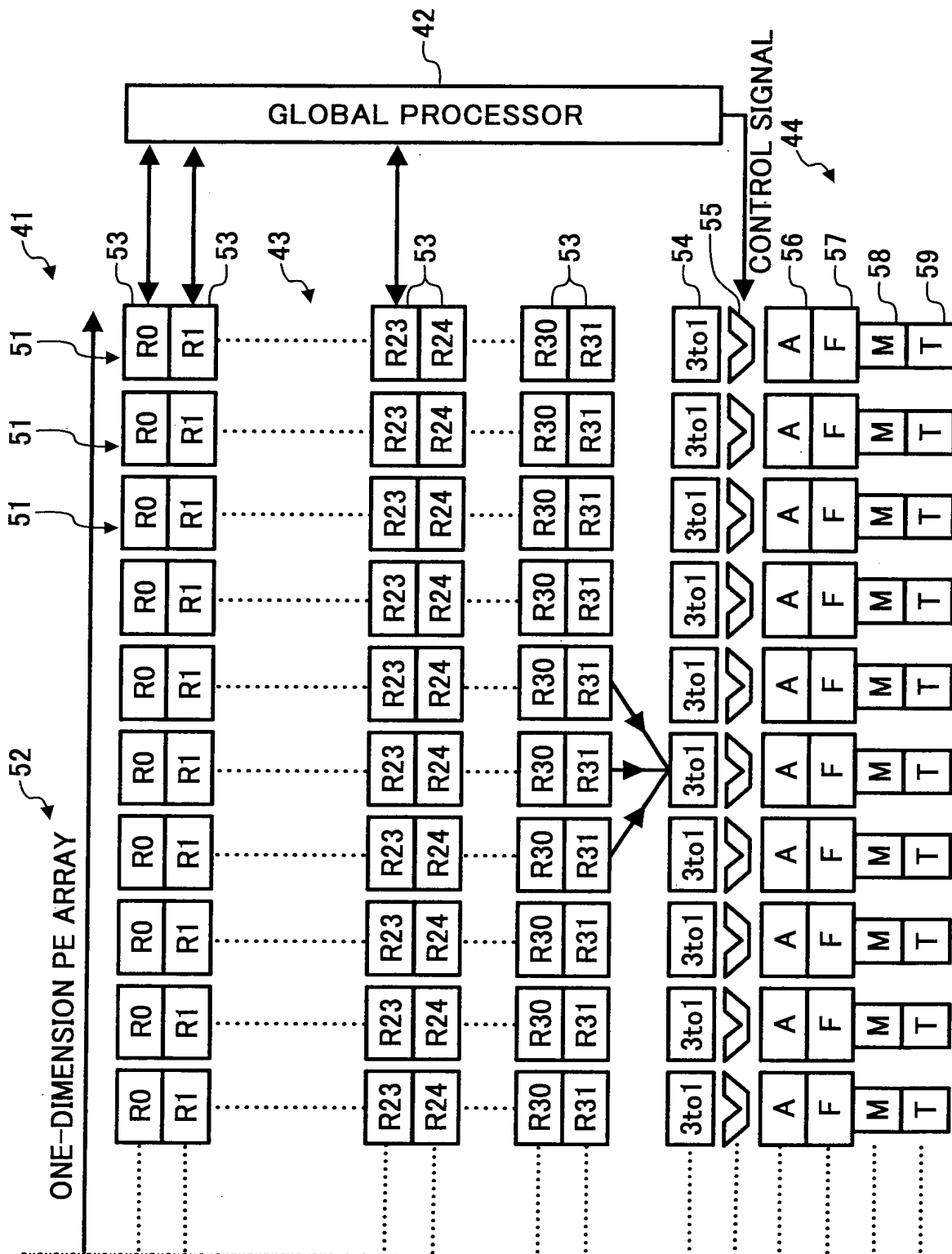


FIG. 16

STATE (4BIT)	DESCRIPTION
1010	DOTTED IMAGE TEST PIXEL BY $W=0$, $0t=1$
1001	DISTANT BY ONE PIXEL FROM DOTTED IMAGE TEST PIXEL BY $W=0.9$, $0t=1$
1000	DISTANT BY TWO PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.8$, $0t=1$
0111	DISTANT BY THREE PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.7$, $0t=1$
0110	DISTANT BY FOUR PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.6$, $0t=1$
0101	DISTANT BY FIVE PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.5$, $0t=1$
0100	DISTANT BY SIX PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.4$, $0t=1$
0011	DISTANT BY SEVEN PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.3$, $0t=1$
0010	DISTANT BY EIGHT PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.2$, $0t=1$
0001	DISTANT BY NINE PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.1$, $0t=1$
0000	DISTANT BY TEN OR MORE OF PIXELS FROM DOTTED IMAGE TEST PIXEL BY $W=0.0$, $0t=1$

FIG. 17

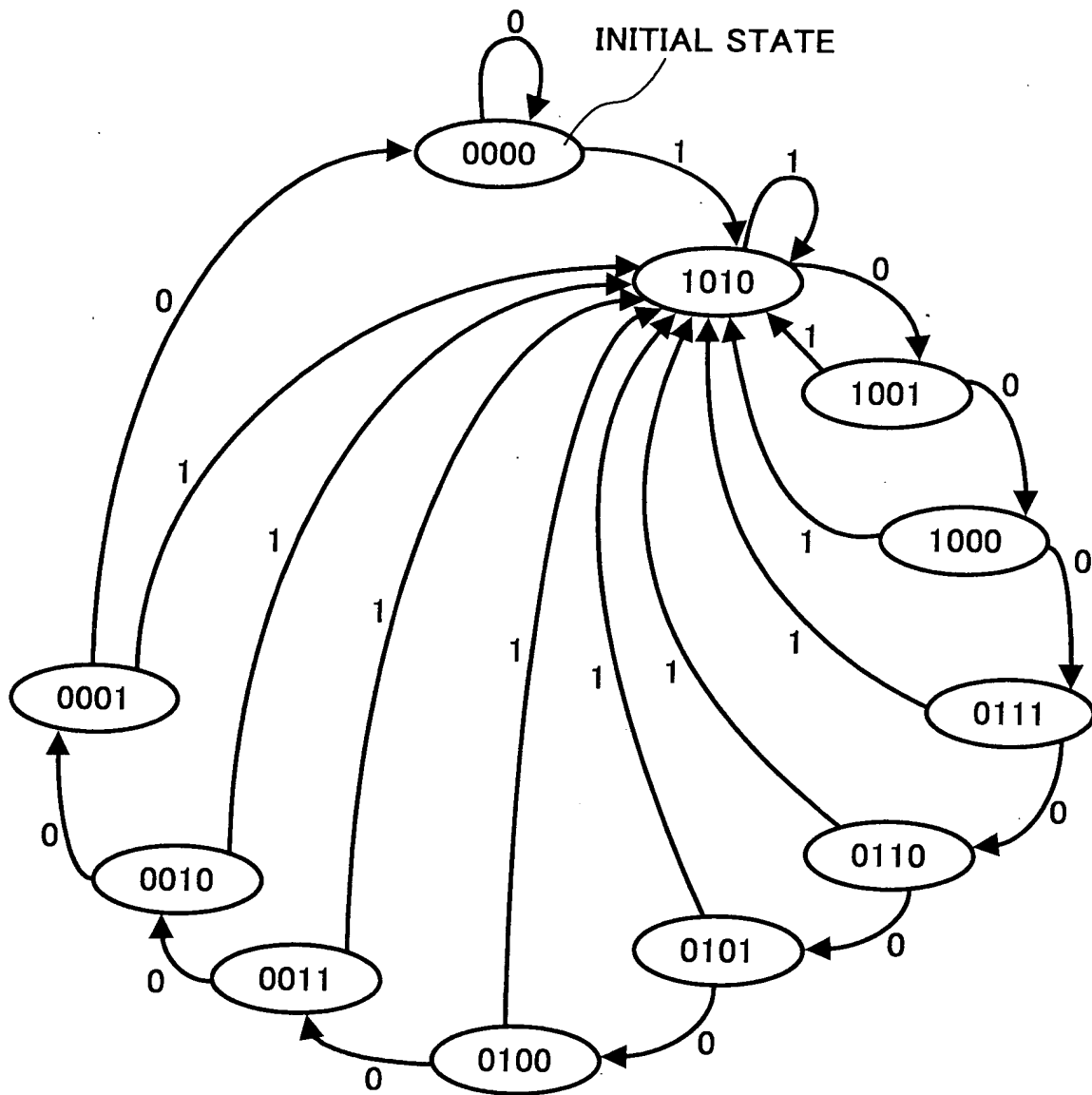


FIG. 18

RAM ADDRESS		EXPLANATION
PREVIOUS STATE	INPUT	NEXT STATE
0000	0	0000
0000	1	1010
0001	0	0000
0001	1	1010
0010	0	0001
0010	1	1010
0011	0	0010
0011	1	1010
0100	0	0011
0100	1	1010
0101	0	0100
0101	1	1010
0110	0	0101
0110	1	1010
0111	0	0110
0111	1	1010
1000	0	0111
1000	1	1010
1001	0	1000
1001	1	1010
1010	0	1001
1010	1	1010